

Cal Poly Pomona, Department of Geological Sciences  
AGU 2014 Suggested Events Schedule

Please note that the schedule below barely scratches the surface of everything there is to do and see at AGU. Take the time to peruse the full schedule on your own to find out about other specific topics that may interest you. The first 5 pages of this sheet give a detailed summary of the events, followed by a condensed summary sheet for portability.

Green = Social Events

Blue = Talks

Purple = Posters

Red = Workshops

**Sunday, December 14**

**9:00am-5:00pm/Student & Early Career Scientist Conference**

AGU is excited to host our first Student & Early Career Scientist Conference, which will be held the day before the Fall Meeting begins! The conference will provide opportunities for networking and workshops on sharpening your career skills. It will be followed by a happy hour so that students can discuss the days' activities and practice their networking skills. Register for the AGU Student and Early Career Scientist Conference in the [online registration system](#). The registration fee is \$25 for the conference and \$10 for the happy hour that follows

**5:00pm-8:00pm/Student & Early Career Scientist Mixer/The Thirsty Bear, 661 Howard St**

Join fellow conference attendees for a chance to socialize and network! Tapas-style appetizers and unlimited beverages. OPEN TO STUDENT & EARLY CAREER SCIENTIST CONFERENCE ATTENDEES ONLY

**7:00pm-9:00pm /Game Night/InterContinental Ballroom A**

Come mingle with and challenge your AGU colleagues during a hands-on, geo-games extravaganza! As you play, you'll also find out about the innovative ways that scientists are using games to communicate the Earth's processes. We'll have a variety of games to choose from, ranging in style from traditional card games to digital activities and including Challenge and Persuade, EcoChains: Arctic Crisis, and FutureCoast. Have a game you'd like to recommend? Let us know! Contact Jessica Brunacini at [jbrunacini@ei.columbia.edu](mailto:jbrunacini@ei.columbia.edu).

**Monday, December 15**

**8:00am-6:00pm/Student Lounge/Moscone South Room 101**

Come to the Student Lounge in Moscone South Poster Hall to take a break between sessions, network with other students, and meet your section or focus group's student representative. Recharge your batteries . . . or your cell phone or laptop batteries.

**12:30pm-1:30pm/How to Become a Congressional Science Fellow or Mass Media Fellow Luncheon/InterContinental Ballroom A-B**

Spend the summer as a journalist or a year on Capitol Hill! AGU gives you the opportunity to do either as a Mass Media Fellow or Congressional Science Fellow. Learn more about AGU's fellowship programs – and how to apply – at this complimentary luncheon. Congressional Fellows will discuss their experiences and how they helped influence national science, energy, and environmental policy. Mass Media Fellows will share stories about reporting for major television, newspaper, and radio news outlets. Lunch will be served. Space is limited. No advance registration required.

**12:30pm-1:30pm/Frontiers of Geophysics Lecture/Moscone South – Rooms 103-104**

Jeffrey D. Sachs will deliver the Union Frontiers of Geophysics Lecture. This is the first part of the daily General Sessions at the Fall Meeting.

**4:00pm-5:00pm/Shoemaker Lecture – Searching for Earth-like planets in this solar system and beyond/Moscone West 2022-2024**

Ellen R Stofan from the NASA Headquarters in DC will be providing the talk for the Shoemaker Lecture. Her talk will focus on studying the climates of planets around the sun, specifically Mars, Venus and Titan, in order to better understand the processes that control climate on Earth.

**1:40pm-6:00pm/Mapping Site Response Parameters on Cal Poly Pomona Campus Using the Spectral Ratio Method/Moscone South – Poster Hall**

Kennis Ho (CPP Master's Student) will be presenting a poster on the research he's been doing for his Master's thesis. Feel free to stop by to talk and ask questions! Group: Seismology, Session: Advances in Site Responses II, Poster: 4430

**1:40pm-6:00pm/Depths of Intraplate Indian Ocean Earthquakes from Waveform Modeling/Moscone South – Poster Hall**

Austin Baca (CPP Undergraduate Student) will be presenting a poster on the research he's been doing during his undergraduate studies. Feel free to stop by to talk and ask questions! Group: Tectonophysics, Session: Intraplate Seismicity in a Geodynamic and Tectonic Context: Do Unconventional Stresses Generate Unconventional Seismicity? II, Poster: 4643

**6:00pm-8:00pm/Ice Breaker/Moscone South – Hall C: Exhibit Hall**

An opportunity to meet colleagues and new friends during the first day of the sessions!

**6:00pm-8:00pm/Student Mixer/Moscone South Room 101**

Don't sit in the hall by yourself between sessions or eat dinner alone! Come network and meet people at the AGU Student Mixer. Catch up with old friends over beers or meet new friends while listening to great music.

**Tuesday, December 16**

**8:00am-6:00pm/Student Lounge/Moscone South Room 101**

Come to the Student Lounge in Moscone South Poster Hall to take a break between sessions, network with other students, and meet your section or focus group's student representative. Recharge your batteries . . . or your cell phone or laptop batteries.

**11:20am-11:35am/Towards an Improved Joint Inversion of Receiver Functions, SKS Splitting, and Surface Wave Dispersion Data for Layering in the North American Craton/Marriott Marquis, Golden Gate C1-C2**

Julie Leiva (CPP Master's Student) will be presenting a talk on the research she did during her undergraduate studies. Feel free to stop by to talk and ask questions! Group: Study of the Earth's Deep Interior, Session: Seismic Anisotropy: Predictions, Observations, and Interpretations II.

**12:30pm-1:30pm/Presidential Forum/Moscone South – Rooms 103-104**

Robin Chase and Wendy Schmidt will deliver the AGU Presidential Forum. This is the second part of the daily General Sessions at the Fall Meeting.

**4:00pm-5:00pm/Gutenberg Lecture – New and Evolving Seismic Images of the Central Andes and Subducting Nazca Slab: 20 Years of Portable Seismology Results/Moscone South 103-104**

Susan L. Beck from the University of Arizona will present the Gutenberg Lecture. She will discuss data acquired from portable seismic deployments that have generated seismic images spanning 3000 km of the Andean lithosphere, the subducting Nazca slab, and the surrounding mantle. These seismic images allow for a more complete evaluation of the role of tectonic process in the formation and uplift of the Andes.

**4:00pm-5:00pm/Bowie Lecture – Global Change Geodesy: A Geophysical Perspective/Moscone West 2022-2024**

Jerry Mitrovica from Harvard University will be presenting the Bowie Lecture this meeting. His talk will focus on geodesy and geophysics, and their role on global change research, including sea-level rise and polar ice sheet stability.

**5:00pm-5:45pm/Bullard Lecture – Mercury’s Magnetic Field/Moscone South 103-104**

Catherine Johnson from the University of British Columbia will be presenting the Bullard Lecture this meeting. Her talk will focus on Mercury, the only inner solar system body other than Earth to possess an active core dynamo-driven magnetic field. She will be discussing data made from MESSENGER to discuss the implications for Mercury’s thermal and dynamic history.

**5:30pm-6:30pm/Diversity Reception/Westin Market Street – Metropolitan Ballroom 3**

A reception to celebrate the diversity of students and professionals from groups that are traditionally underrepresented in the Earth and space sciences, and to also celebrate our collective accomplishments in promoting diversity in the Earth and space sciences.

**7:30pm-9:00pm/Open Mic Night/Jillian’s at Metreon, 175 4<sup>th</sup> St**

Join your colleagues and host **Richard Alley** for an evening of rhyming, singing, and storytelling about Earth and space science at the third annual Open Mic Night. Appetizers will be served. Do you write field haiku? Pen seismic short stories? Sing original songs about space? If so, share your talents! **Sign up here** to reserve a 3-to-5 minute slot in advance or sign up on site as space permits. All are invited to attend.

**Wednesday, December 17**

**7:00am-8:00am/Student Breakfast/Marriott Marquis-Golden Gate A**

Wake up bright and early to enjoy breakfast with AGU section and focus group leaders. All registered students are welcome to attend, but student seating is limited to 400 on a first-come, first-served basis. Meet the scientists who wrote your textbooks or impressive articles and who have blazed a trail before you!

**8:00am-6:00pm/Student Lounge/Moscone South Room 101**

Come to the Student Lounge in Moscone South Poster Hall to take a break between sessions, network with other students, and meet your section or focus group’s student representative. Recharge your batteries . . . or your cell phone or laptop batteries.

**9:00am-12:00pm/Navigating the NSF System Workshop/San Francisco Marriott Marquis – Gold Gate C2**

How do you make your proposal as NSF-savvy as possible? How do you best describe your broader impacts? What is cutting edge in data management? How do you identify the best program for an application? How do you access available education and outreach funds? There are always new initiatives starting at NSF, beyond core programs. How do you identify and apply for these opportunities? How are initiatives different than core programs? How can you design effective integrated research? Answer these questions and meet in small groups with program officers; get to know what they are looking for; and learn how to ask the right questions, give the right answers, and get funded. This workshop is open to all AGU Fall Meeting attendees and will be particularly helpful to early-career and mid-career participants, especially graduate students, post-docs, researchers, and tenure-track faculty thinking about applying for NSF funding for the first time. The workshop is made possible through a partnership of the Earth Science Women's Network and AGU Education.

### **3:00pm-5:00pm/Opportunities Beyond Academia Workshop/San Francisco Marriott Marquis - Golden Gate C2**

Thinking about a career outside of academia? It can often be difficult to get help finding a job in a nonprofit or government agency, within industry, or as a consultant. After all, your advisor is an academic and most likely doesn't have first-hand knowledge. Maybe you want to stay in academia but are interested in working as a consultant or even starting your own business. This workshop will discuss practical skills for making the transition to successful post-graduate careers (yes, there is life after the MS/PhD!). A panel of scientists with experience outside of academia will share their "lessons learned" and answer your questions about how to find and apply for jobs in policy, federal research labs, state agencies, NGOs, industry, and private enterprise. The session is geared toward graduate students and post-docs who are considering options outside of academia, as well as faculty who are interested; all are invited. This workshop is a partnership between the Earth Science Women's Network and AGU Education.

### **Thursday, December 18**

#### **8:00am-6:00pm/Student Lounge/Moscone South Room 101**

Come to the Student Lounge in Moscone South Poster Hall to take a break between sessions, network with other students, and meet your section or focus group's student representative. Recharge your batteries . . . or your cell phone or laptop batteries.

#### **9:00am-10:00am/Sagan Lecture - Microbial Communities: Tracing Growth Processes from Antarctic Lakes to Early Earth to Other Planets/Moscone South 103-104**

Dawn Summer from UC Davis will be presenting the Sagan Lecture this meeting. Her talk will focus on the general principles of microbial ecology in the absence of predation, using both Earth's modern biosphere and its fossil record. Information from Precambrian microbial communities can provide context for models of life under ice elsewhere in our solar system.

#### **12:30pm-2:00pm/Sharing Science in Plain English (Panel & Lunch)/Moscone North - Rooms 130-131**

Learn how to better communicate science to general audiences at this interactive afternoon panel. You will be introduced to effective communications tools and offered advice to help you connect with a variety of audiences. Speakers include **John Calderazzo**, an English professor at Colorado State University and co-director of Changing Climates at Colorado State, **Jana Goldman**, principal of Press Here and former board chair for the Center for Plain Language, and **Gifford Wong**, a Ph.D. candidate in the Department of Earth Sciences at Dartmouth College and co-instructor of the interdisciplinary UNSG 300: Communicating Science course at Dartmouth. The event is free and lunch will be provided. Open to all.

**5:00pm-6:00pm/The Birch Lecture – On the Origin of Plate Tectonics/Moscone South 103-104**

David Bercovici from Yale University will be presenting the Birch Lecture this meeting. He will provide insight on constraining the timeline and initiation of plate tectonics.

**6:00pm-10:00pm/Evening at the Exploratorium/Exploratorium**

**For Ages 18+, Show Fall Meeting badge for FREE ADMISSION.** Where can you find science after dark? Come check out the San Francisco nightlife at the Exploratorium! All meeting attendees are welcome to join members of AGU's staff in enjoying the exhibits on Earth science and astronomy and space. Feeling inspired? Donations to this fascinating museum are encouraged! Planning a visit to the Exploratorium on another day? Purchase your tickets via the AGU Viator partner site to benefit the Student Travel Grant Fund! Questions? Email Kara Smedley Rodean, Program Manager, Student Member Initiatives, at [students@agu.org](mailto:students@agu.org) for assistance.

**Friday, December 19**

**8:00am-12:20pm/Analysis of Triggering of Earthquakes and Tremor in the Western U.S. due to the 2010 El Mayor Cucapah Earthquake and the Mw6.8 Mendocino Triple Junction Earthquake in 2014/Moscone South – Poster Hall**

Rachel Hatch (CPP Master's Student) will be presenting a poster on the research she's been doing for her Master's thesis. Feel free to stop by to talk and ask questions! Group: Seismology, Session: Induced and Triggered Earthquakes: Theory, Observations, and Impacts I, Poster: 4420

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